

Product datasheet for RN211992

Gstm4 (NM_001024304) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gstm4 (NM_001024304) Rat Untagged Clone
Tag: Tag Free
Symbol: Gstm4
Synonyms: MGC108896
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN211992 representing NM_001024304
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCTATGACTGGGTTACTGGGACATCCGTGGGCTGGCTCATGCTATTCGATTACTCCTGGAATACA
CAGACTCAAGCTATGAGGAGAAGAGATACACCATGGGCGACGCTCCTGACTATGACAGAAGCCAGTGGCT
GAGTGAGAAGTTCAAACCTGGGCCTGGACTTCCCAATCTGCCCTACTTAATCGATGGGTCACACAAGATC
ACCCAGAGCAATGCCATCCTGCGCTATATTGCCCGAAAGCACAACCTGTGTGGGGAGACAGAAGAAGAGA
AGATTCGTGTGGACATTTTGGAGAACCAGGCTATGGATGTCTCCAATCAGCTGGCTAGAGTCTGTTACAG
CCCAGACTTTGAGAACCTGAAGGCGGAATATTTGGAGCAGCTCCCTGGGATGATGGAGCTTCTCACAG
TTCTGGGGAAGCAGACGTGGTTCGTTGGTGAAAAGATTACTTTTGTAGATTTCTTGGCTTATGATATCC
TGGACCTGCACCTTATATTCGAACCAAGTGCCTGGATGCCTTCCCAAACCTGAAGGACTTTGTGGCCCG
CTTCGAGGGACTGAAGAAGATCTCTGTTTACATGAAGACCAGCCGCTTCTCCGGACACCCCTATATACA
AGGGTGGCTACTTGGGGCAATAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001024304
Insert Size: 657 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001024304.1</u> , <u>NP_001019475.1</u>
RefSeq Size:	1583 bp
RefSeq ORF:	657 bp
Locus ID:	499689
UniProt ID:	<u>Q5BK56</u>
Cytogenetics:	2q34
Gene Summary:	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. Catalyzes the conjugation of leukotriene A4 with reduced glutathione (GSH) to form leukotriene C4. Can also catalyzes the transfer of a glutathionyl group from glutathione (GSH) to 13(S),14(S)-epoxy-docosaehaenoic acid to form maresin conjugate in tissue regeneration 1 (MCTR1), a bioactive lipid mediator that possess potent anti-inflammatory and proresolving actions.[UniProtKB/Swiss-Prot Function]